DOCKET ANYWEB

FIG. 1A (PRIOR ART)

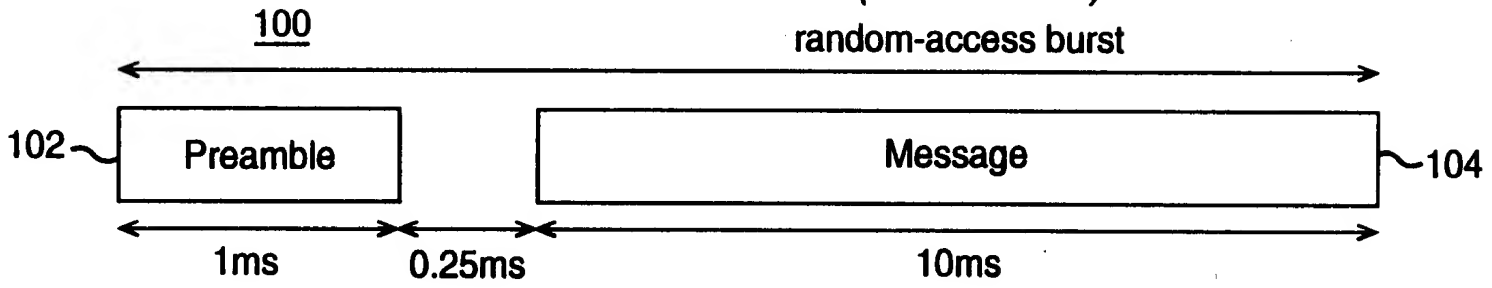
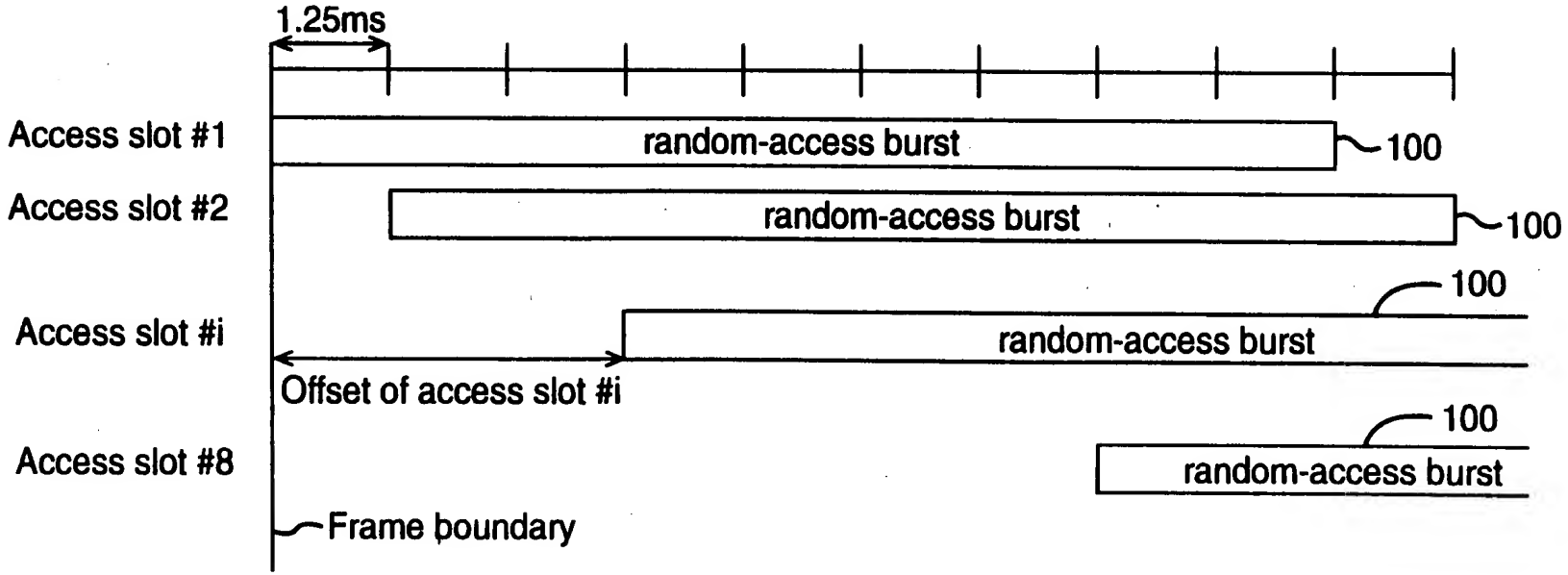


FIG. 1B (PRIOR ART)



00T12F 2ATH260

FIG. 2

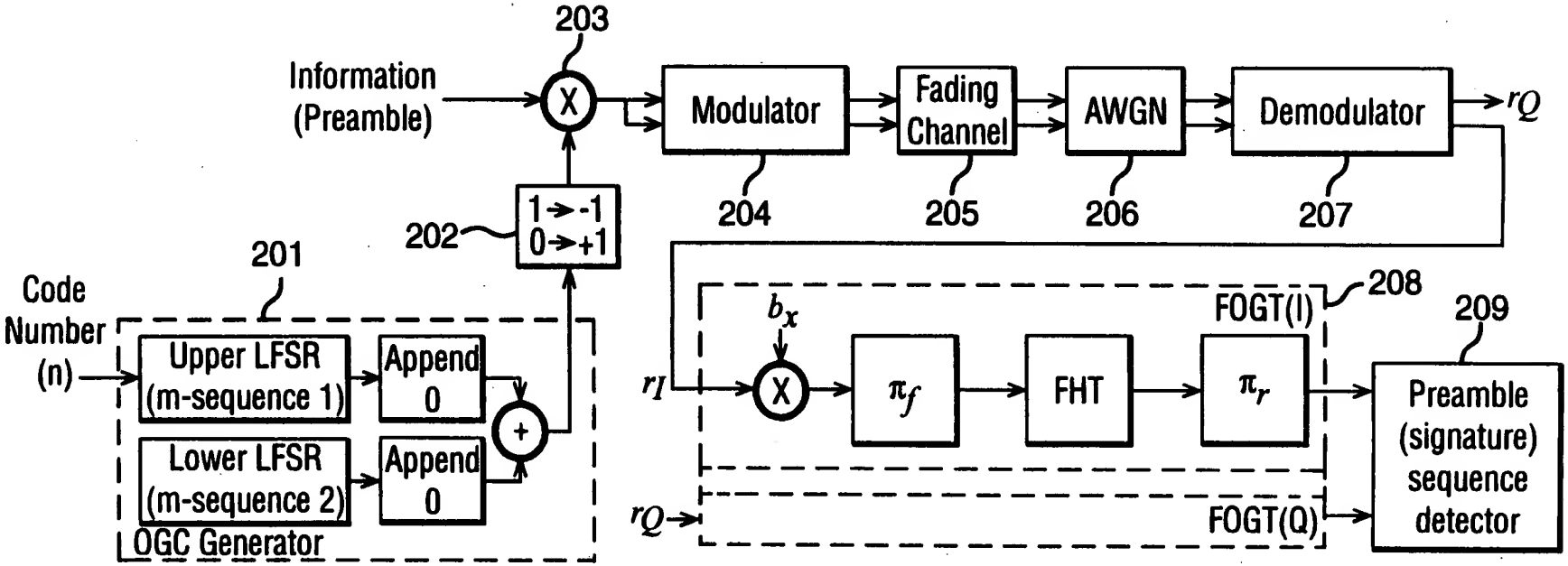


FIG. 3

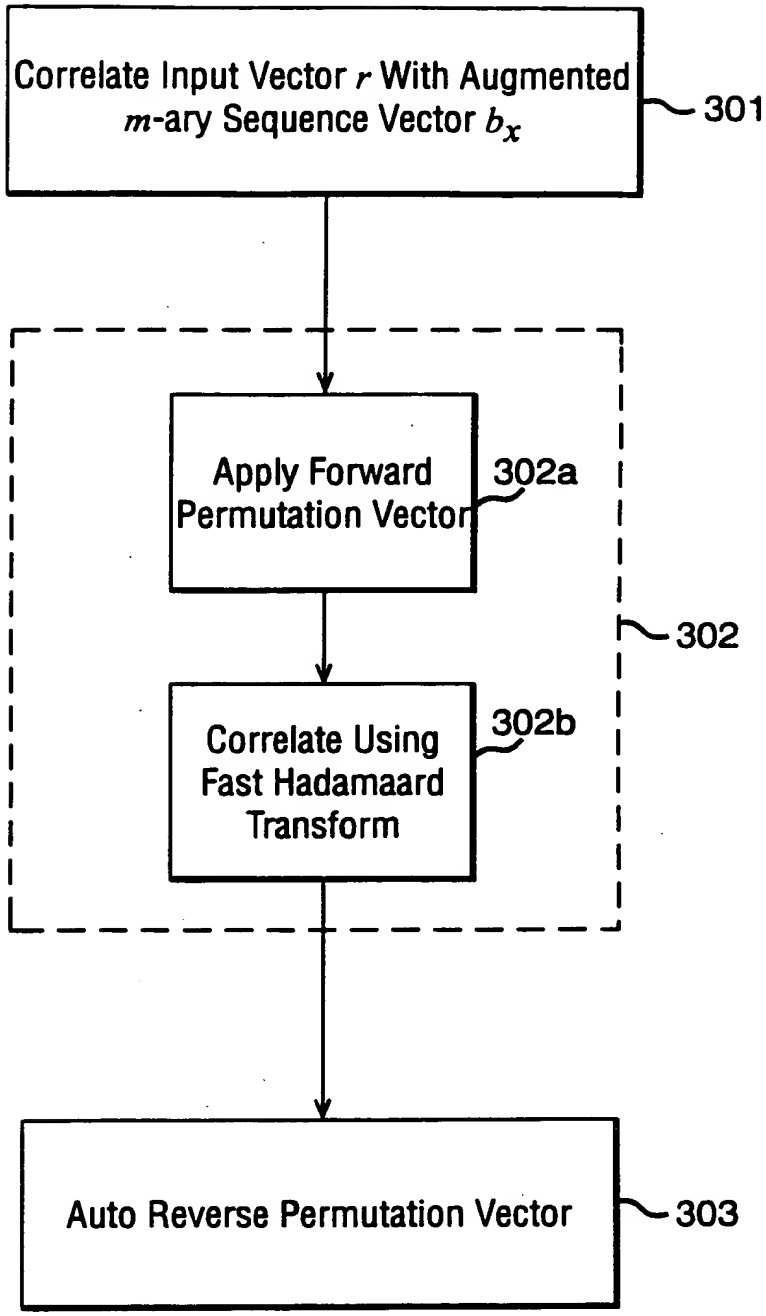

Correlate Input Vector r With Augmented m-ary Sequence Vector b_x
301
Apply Forward Permutation Vector
302a
302
Correlate Using Fast Hadamaard Transform
302b
Auto Reverse Permutation Vector
303

FIG. 4

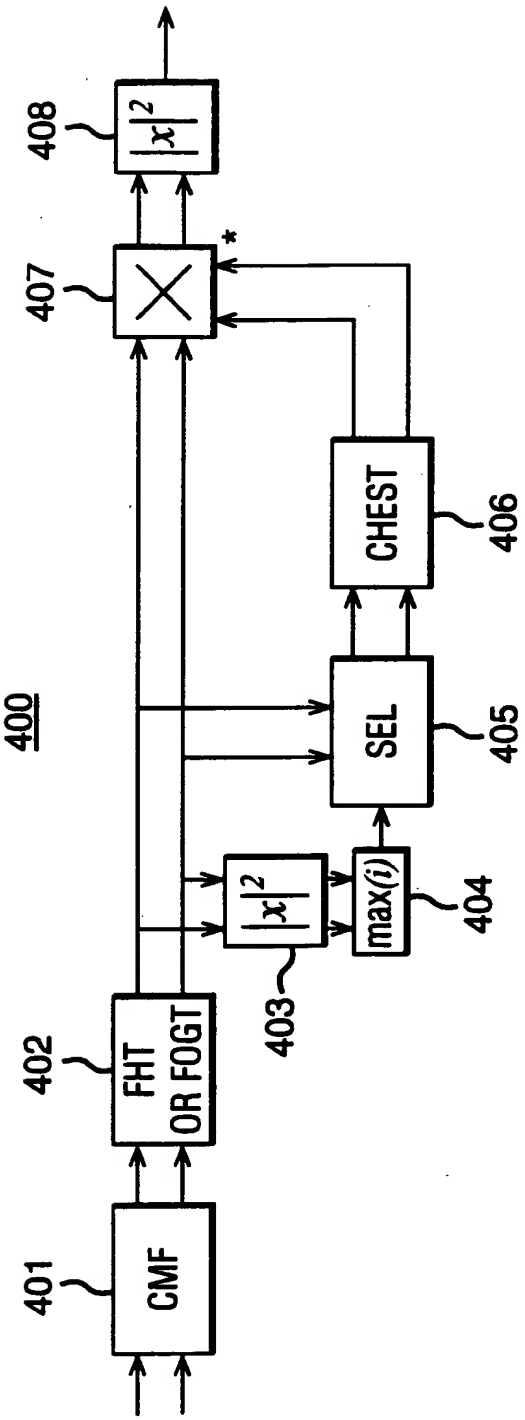

400
401
CMF
402
FHT OR FOGT
403
$|x|^2$
404
max(i)
405
SEL
406
CHEST
407
*
408
$|x|^2$

FIG. 5

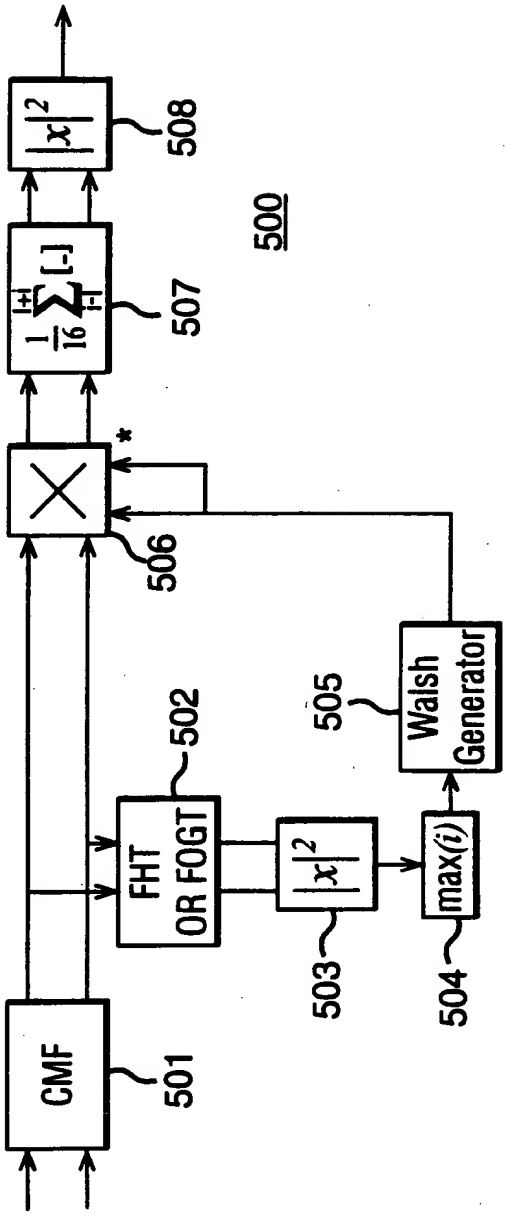

500
501
CMF
502
FHT OR FOGT
503
$|x|^2$
504
max(i)
505
Walsh Generator
506
*
507
$\frac{1}{16}\sum_{i=1}^{i+1}[\cdot]$
508
$|x|^2$

FIG. 6

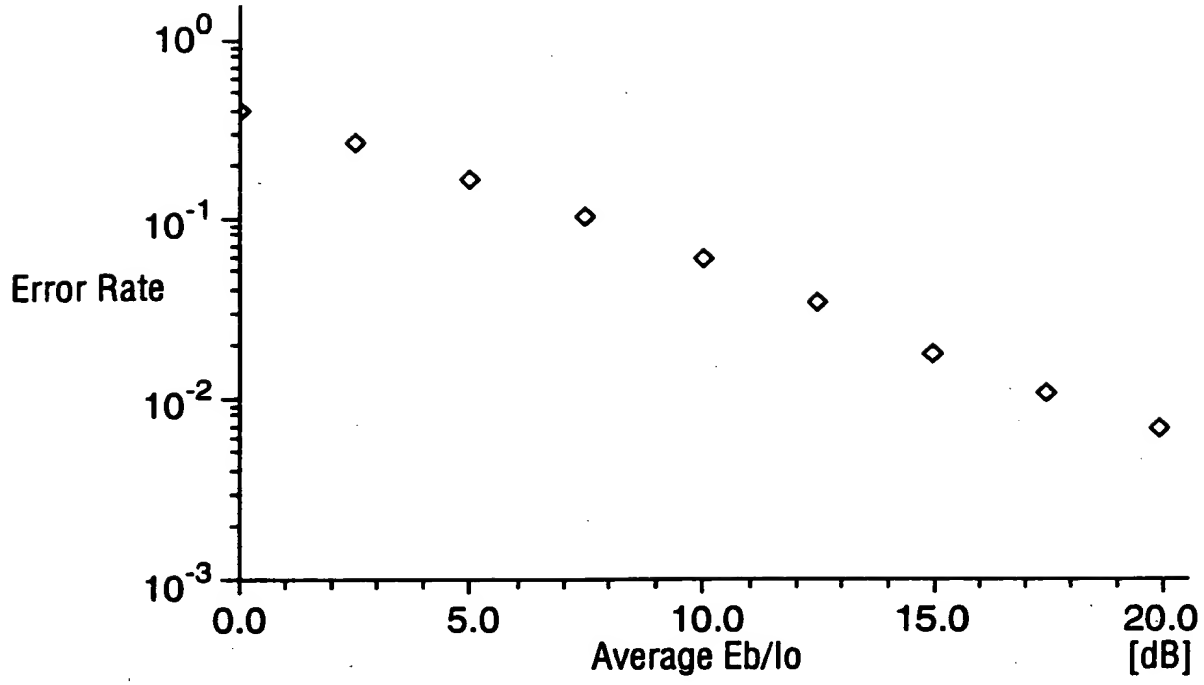
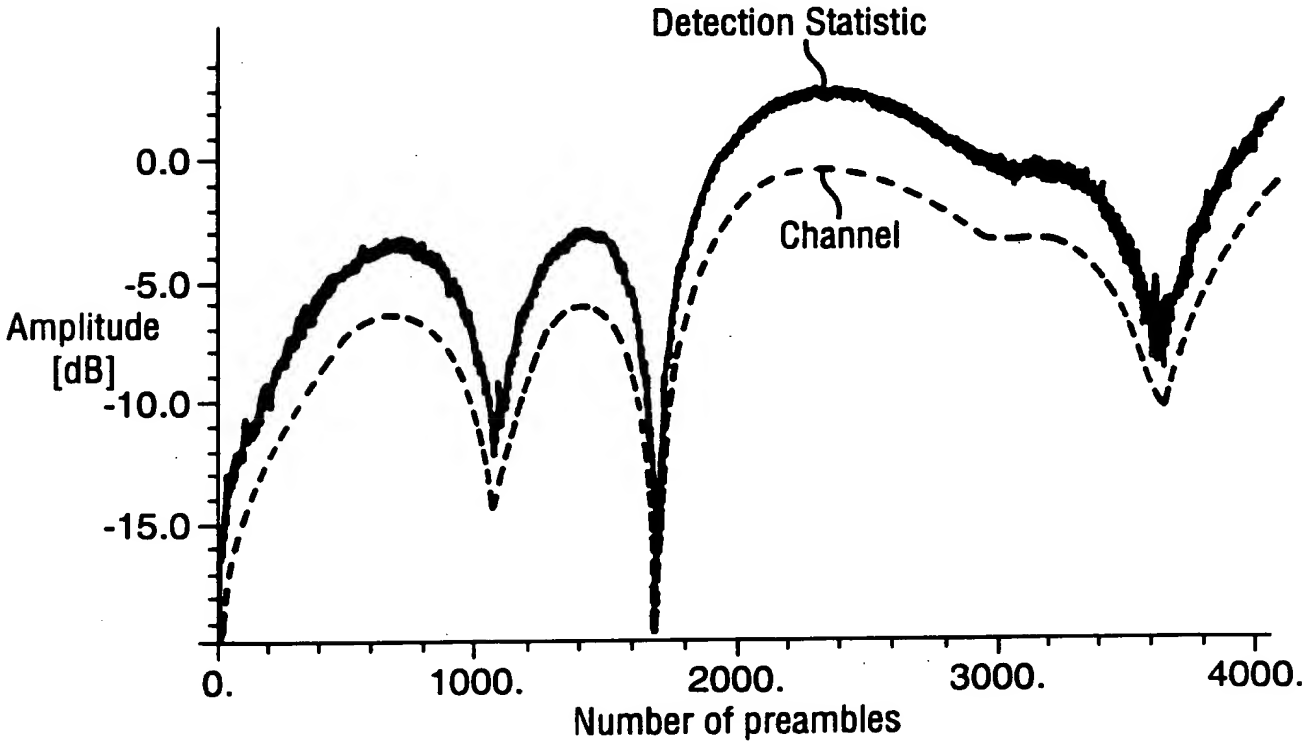

10^0
10^{-1}
10^{-2}
10^{-3}
Error Rate
0.0
5.0
10.0
15.0
20.0
Average Eb/Io
[dB]

FIG. 7


Detection Statistic
Channel
0.0
-5.0
-10.0
-15.0
Amplitude
[dB]
0.
1000.
2000.
3000.
4000.
Number of preambles